

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|------------------------------|------------------|---------|------------------|
| L1    | 1062  | (140/71.5,71.6).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/08/25 12:50 |
| L2    | 1192  | (445/32,46,48,49).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/08/25 12:50 |
| L3    | 854   | (313/566,574,575).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/08/25 12:50 |
| S31   | 18208 | (light lamp)AND((electrode core coil winding)same(electronegativity tungsten))  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/08/25 12:50 |
| S32   | 1187  | (light lamp)AND((electrode)same(coil winding core)same(electronegativity tungsten))   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 14:36 |
| S33   | 1     | (light lamp)AND((electrode)same(coil winding core)same(electronegativity))  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 14:36 |
| S34   | 180   | (light lamp)AND((electrode)same(coil winding core)same(tungsten)same(zirconium hafnium titanium yttrium scandium lanthanum lanthanide)) | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 15:03 |
| S35   | 105   | (light lamp)AND((electrode)same((coil)with(zirconium hafnium titanium yttrium scandium lanthanum lanthanide)))                          | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 15:04 |
| S36   | 26    | (light lamp)AND((electrode)same((coil)near4(zirconium hafnium titanium yttrium scandium lanthanum lanthanide)))                         | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 15:11 |
| S37   | 79    | S35 NOT S36   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 15:25 |
| S39   | 131   | S34 Not S35   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/01/04 15:56 |
| S40   | 817   | (313/631).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/01/04 16:01 |
| S41   | 2722  | (313/631-634).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/01/04 16:01 |

## EAST Search History

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|-----|------|--|---|----|-----|------------------|
| S42 | 494  | S41 AND(zirconium hafnium titanium yttrium scandium lanthanum lanthanoid lanthanide)   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 12:29 |
| S43 | 0    | GB-733853-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 09:46 |
| S44 | 9    | "2740914"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 10:03 |
| S45 | 2    | ("2306925").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/05 10:25 |
| S46 | 2722 | (313/631-634).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/05 10:27 |
| S47 | 83   | S46 AND ((low adj3 pressure)with(lamp light))AND((electrode cathode)same(wind\$3 coil))  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 10:27 |
| S48 | 6    | S46 AND(barium adj tungstate)  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 12:29 |
| S49 | 76   | S46 AND ((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))              | US-PGPUB;<br>USPAT  | OR | ON  | 2006/06/20 14:12 |
| S50 | 2373 | (313/628,362.1,639,293,606,621).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/01/05 13:59 |
| S51 | 29   | S50 AND ((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))              | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 14:09 |
| S52 | 890  | ("313"/\$.ccls.) AND ((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb)) | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 14:11 |
| S53 | 797  | S52 NOT(S49 S51)   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/01/05 14:12 |

## EAST Search History

|     |     |  |                    |    |    |                  |
|-----|-----|--|--------------------|----|----|------------------|
| S54 | 814 | ("313"/\$.ccls.) AND((bulb arc tube lamp discharge\$ lamp envelop\$4 vessel)) AND((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:15 |
| S55 | 722 | S54 NOT(S49 S51)   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:16 |
| S56 | 456 | ("313"/\$.ccls.) AND((bulb arc tube lamp discharge\$ lamp envelop\$4 vessel)) AND((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:18 |
| S57 | 376 | S56 NOT(S49 S51)   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:25 |
| S58 | 290 | ("313"/\$.ccls.) AND((bulb arc tube lamp discharge\$ lamp envelop\$4 vessel)) AND((winding coil) same(zirconium zr hafnium hf titanium ti yttrium scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:42 |
| S59 | 221 | S58 NOT(S49 S51)   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:25 |
| S60 | 670 | ("313"/\$.ccls.) AND((bulb arc tube lamp discharge\$ lamp envelop\$4 vessel)) AND((winding coil) same(rhenium re cobalt co nickel ni ruthenium ru palladium pd rhodium rh iridium ir osmium os platinum pt))   | US-PGPUB;<br>USPAT | OR | ON | 2006/01/05 14:45 |
| S61 | 325 | (lamp light)AND((electrode cathode)same((coil winding)with(zirconium zr hafnium hf titanium ti yttrium scandium sc lanthanum la lanthanide cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er tholium tm ytterbium yb lutetium lu))) | US-PGPUB;<br>USPAT | OR | ON | 2006/01/06 10:02 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S62 | 201  | (lamp light)AND((electrode cathode)same((coil winding)with(zirconium zr hafnium hf titanium ti yttrium scandium lanthanum lanthanide cerium ce praseodymium pr neodymium nd promethium pm samarium sm europium eu gadolinium gd terbium tb dysprosium dy holmium ho erbium er tholium tm ytterbium yb lutetium lu))) | US-PGPUB;<br>USPAT  | OR | ON | 2006/01/06 10:31 |
| S63 | 8984 | (lamp light)AND((electrode cathode)same(zirconium hafnium titanium yttrium scandium lanthanum lanthanide cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium. holmium erbium tholium ytterbium lutetium))   | US-PGPUB;<br>USPAT  | OR | ON | 2006/01/06 10:33 |
| S64 | 1579 | (lamp light)AND((coil winding)same(zirconium hafnium titanium yttrium scandium lanthanum lanthanide cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium holmium erbium tholium ytterbium lutetium))   | US-PGPUB;<br>USPAT  | OR | ON | 2006/01/06 10:34 |
| S65 | 139  | (discharge adj3 lamp)AND((coil winding)same(zirconium hafnium titanium yttrium scandium lanthanum lanthanide cerium praseodymium neodymium promethium samarium europium gadolinium terbium dysprosium holmium erbium tholium ytterbium lutetium))  | US-PGPUB;<br>USPAT  | OR | ON | 2006/01/06 10:34 |
| S66 | 751  | (low with pressure with lamp) AND ((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/20 14:13 |
| S67 | 183  | (low adj2 pressure adj2 lamp) AND ((wind\$3 coil) same(zirconium zr hafnium hf titanium ti yttrium y scandium sc lanthanum la lanthanide cerium ce europium eu terbium tb))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/20 14:13 |

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|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S68 | 14 | (light lamp)AND((electrode core coil winding)same((barium adj tungstate) ("BaWO.sub.4"))) | US-PGPUB;<br>USPAT           | OR | ON  | 2006/06/21 10:04 |
| S69 | 2  | ("2218345").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/08/18 11:01 |
| S70 | 11 | ("2218345").URPN.   | USPAT                        | OR | ON  | 2006/08/18 11:01 |